

**EXXON** COMPANY, U.S.A.  
POST OFFICE BOX 3950 • BAYTOWN, TEXAS 77520

June 29, 1982

REFINING DEPARTMENT  
BAYTOWN REFINERY  
M. W. SPRICKS  
MANAGER

GROUNDWATER MONITORING RESULTS  
SECOND QUARTER

File: M.82 1-17-1(21)

TXD000782698

Mr. Allan M. Seils, Unit Head  
Shipping Control and Effluent Reports Unit  
Enforcement and Field Operations  
P. O. Box 13087, Capitol Station  
Austin, Texas 78711

Dear Mr. Seils:

Attached is the second quarter groundwater monitoring report for our 16 monitoring wells at the Exxon Baytown Refinery and Chemical Plant (Solid Waste Registration No. 30040). The sampling and analysis of the groundwater was completed under a contract with the consulting firm ERM-Southwest, Incorporated.

As Mr. S. S. Hodgson discussed with you on June 21, 1982, please note that the technical supervisor of the Refinery's Wastewater and Solid Waste Section has been designated as the authorized agent whose signature will appear on the groundwater monitoring report forms. Currently, the technical supervisor of this section is Ms. E. Q. Hargarten.

In addition to the groundwater monitoring report, you will find attached a discussion pertaining to a monitoring well which was found to be dry (Attachment I) and a table (Attachment II) separately identifying for each monitoring well any parameters whose concentration or value has been found to exceed the maximum contaminant levels listed in the National Interim Primary Drinking Water Standards (NIPDWS).

If you have any questions, please contact Mr. Hodgson at Area Code 713, Telephone 425-3951.

Very truly yours,

EQH:SSH:sth

c: Dr. B. L. Beck, Baytown Olefins Plant  
Dr. S. M. D'Orsie, Headquarters Refining

JBC GLW TBB RMG

(IV.B.1.b. and IV.G.5.)

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ATTACHMENT 1

DRY MONITORING WELL 2

During the second quarter of groundwater sampling, Monitoring Well 2 (MW 2) did not contain water. This well contained water in the first quarter and was installed in the uppermost aquifer by Geraghty and Miller, Incorporated, consulting groundwater geologists and hydrologists.

The well was designed and installed according to the suggestions offered in the Texas Water Quality Board, Industrial Solid Waste Management Technical Guide No. 6. After first drilling a soil core to determine soil characteristics and water table elevation, the well was screened in the upper portion of the water table and slightly above in the permeable zone of saturation in order to capture any low density contaminants.

Since Geraghty and Miller is a well respected geological and hydrological consulting firm and their well installation procedures are generally quite thorough, it is believed at this time that groundwater MW 2 was properly installed. An investigation is currently under way to determine why the well was dry, and if it is dry again during the third quarter sampling, the appropriate office of the Texas Department of Water Resources will be contacted for guidance.

SSH:sth  
6/28/82

ATTACHMENT

IF THE PAGE FILMED IS NOT  
AS LEGIBLE AS THIS LABEL,  
IT IS DUE TO THE QUALITY  
OF THE ORIGINAL.

ATTACHMENT II

EXXON BAYTOWN REFINERY AND CHEMICAL PLANT  
SOLID WASTE REGISTRATION NUMBER 30040

SAMPLING DATE - MARCH 31 THROUGH APRIL 2, 1982

ANALYSES GREATER THAN NIPDWS

Parameter	Limit	Well Number															
		1*	2	3	4	5*	6	7	8	9	10	11	12*	13*	14	15	16
Cadmium	0.01 mg/L	0.02	W		0.02				0.02								0.02
			E														
Lead	0.05 mg/L	0.15	L		0.15												
			L														
Silver	0.05 mg/L								0.17	0.06							
			D														
Coliform Bacteria	1/100 ml	14	R	2		2			17		2			2			
			Y														

\* Upgradient Wells

SSH:sth  
6/24/82

6-20-82  
ATTACHMENT